# Version Control System (VCS), GIT Spring AU 2021

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Git repo: https://github.com/ajaysr047/gitAssignment

1. Status after and before staging the "Dummy.java" file

## 2. Initial commit to the local repo

```
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git commit -m "Initial commit"
[master (root-commit) 9a465c5] Initial commit
1 file changed, 7 insertions(+)
create mode 100644 Dummy.java
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$
```

# 3. Pushing to the remote repo's master branch

```
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git push origin master
Username for 'https://github.com': ajaysr047
Password for 'https://ajaysr047@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 312 bytes | 312.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/ajaysr047/gitAssignment
* [new branch] master -> master
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$
```

#### 4. Git diff

# 5. Unstaging a staged file

```
Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git status
On branch master
Untracked files:
 (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git add toRemove.txt
.
ijay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git status
On branch master
Changes to be committed:
 (use "git restore --staged <file>..." to unstage)
    new file: toRemove.txt
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git rm --cached toRemove.txt
m 'toRemove.txt'
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git status
On branch master
Untracked files:
 (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to t<u>r</u>ack)
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$
```

# 6. Removing a committed file using git rm

```
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git add toRemove.txt
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git commit -m "adding toRemove.txt"
[master ea28404] adding toRemove.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 toRemove.txt
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git status
On branch master
nothing to commit, working tree clean
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git rm toRemove.txt
rm 'toRemove.txt'
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git status
On branch master
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
deleted: toRemove.txt
```

### 7. Commit after rm and git log

```
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git commit -m "after rm"
[master 2104e71] after rm
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 toRemove.txt
ajay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$ git log
     t 2104e7188230692d8f8b796f4d2c84ed345e810e (HEAD -> master)
Author: ajay <ajaysr047@gmail.com>
Date: Wed Jan 6 21:24:26 2021 +0530
   after rm
commit ea28404e14f914a1708ee8ea9246ae22af83b6d4
Author: ajay <ajaysr047@gmail.com>
Date: Wed Jan 6 21:21:01 2021 +0530
   adding toRemove.txt
commit 8e620aeba64c982f39d10fd033038e17f092b669
Author: ajay <ajaysr047@gmail.com>
Date: Wed Jan 6 21:14:58 2021 +0530
   second commit
commit 9a465c54697c80ef305d7f3210411aebc8b1f53e (origin/master)
Author: ajay <ajaysr047@gmail.com>
Date: Wed Jan 6 20:58:37 2021 +0530
   Initial commit
ijay@ajay-Predator-PH315-51:~/Documents/SpringAU/dayOne/gitAssignment$
```

# 8. Git mv (Rename committed file)

```
ajay@ajay-Predator-PH315-51:-/Documents/SpringAU/dayOne/gitAssignment$ git add dummyName.txt
ajay@ajay-Predator-PH315-51:-/Documents/SpringAU/dayOne/gitAssignment$ git status

On branch master

Changes to be committed:
   (use "git restore --staged <file>..." to unstage)
    new file: dummyName.txt

ajay@ajay-Predator-PH315-51:-/Documents/SpringAU/dayOne/gitAssignment$ git commit -m "add dummyName.txt"

[master 2640479] add dummyName.txt
   1 file changed, 0 insertions(+), 0 deletions(-)
   create mode 100644 dummyName.txt
   ajay@ajay-Predator-PH315-51:-/Documents/SpringAU/dayOne/gitAssignment$ git status

On branch master

nothing to commit, working tree clean
   ajay@ajay-Predator-PH315-51:-/Documents/SpringAU/dayOne/gitAssignment$ git mv dummyName.txt newName.txt
   ajay@ajay-Predator-PH315-51:-/Documents/SpringAU/dayOne/gitAssignment$ git status

On branch master

Changes to be committed:
   (use "git restore --staged <file>..." to unstage)
        renamed: dummyName.txt -> newName.txt

ajay@ajay-Predator-PH315-51:-/Documents/SpringAU/dayOne/gitAssignment$ git commit -m "renamed dummyName.txt"

[master 167313] renamed dummyName.txt

ajay@ajay-Predator-PH315-51:-/Documents/SpringAU/dayOne/gitAssignment$ git status

On branch master

nothing to commit, working tree clean

On branch master

nothing to commit, working tree clean
```

# 9. Git tag

Added two version tags, the commits can be reviewed with their respective tags

# 10. Adding assignment to assignment repo

# 11. Pushing to remote repo "main"